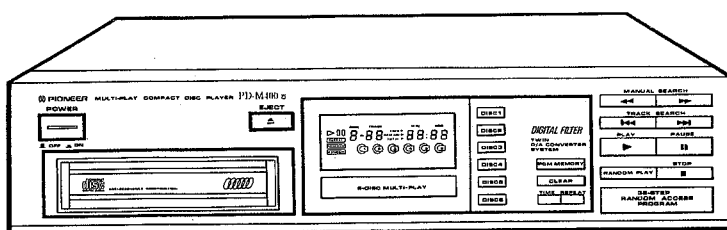


# Operating Instructions

## MULTI-PLAY COMPACT DISC PLAYER **PD-M400**



**COMPACT**  
**disc**  
**DIGITAL AUDIO**

Thank you for buying this Pioneer product.  
Please read through these operating instructions so you will know how to operate your model properly. After you have finished reading the instructions, put them away in a safe place for future reference.

In some countries or regions, the shape of the power plug and power outlet may sometimes differ from that shown in the explanatory drawings. However, the method of connecting and operating the unit is the same.

**WARNING:** TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

### IMPORTANT NOTICE

[For U.S. and Canadian models]

The serial number for this equipment is located on the rear panel. Please write this serial number on your enclosed warranty card and keep it in a secure area. This is for your security.

[For Canadian model]

**CAUTION:** TO PREVENT ELECTRIC SHOCK DO NOT USE THIS (POLARIZED) PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

**ATTENTION:** POUR PREVENIR LES CHOCS ELECTRIQUES NE PAS UTILISER CETTE FICHE POLARISEE AVEC UN PROLONGATEUR UNE PRISE DE COURANT OU UNE AUTRE SORTIE DE COURANT, SAUF SI LES LAMES PEUVENT ETRE INSEREES A FOND SANS EN LAISSER AUCUNE PARTIE A DECOUVERT.

"This product is manufactured to comply with the radio interference requirements of EEC Directive 76/889/EEC and 82/499/EEC."

### LINE VOLTAGE SELECTOR SWITCH

Only multi-voltage models are provided with this switch. U.S., Canadian, European, U.K., and Australian models are not provided with this switch. Mains voltages in Saudi Arabia are 127V and 220V only. Never use this model with 110V setting in Saudi Arabia.

The line voltage selector switch is located on the rear panel of this player. Before your player is shipped from the factory, the switch is set to the power requirements of the player's destination. Check that it is set properly before plugging the power cord into the outlet. If the voltage is not properly set or if you move to an area where the voltage requirements differ, adjust the selector switch as follows:

- Provide yourself with a medium-sized (flat-blade) screwdriver. Insert the tip of the screwdriver into the groove of the selector switch and turn it so that the power voltage marking of your area points to the arrow.



VOLTAGE SELECTOR

## IMPORTANT 1



The lightning flash with arrowhead, within an equilateral triangle, is intended to alert the user of the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

**CAUTION**  
RISK OF ELECTRIC SHOCK  
DO NOT OPEN

**CAUTION:**  
TO PREVENT THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The exclamation point within an equilateral triangle is intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

## IMPORTANT 2

If the apparatus is fitted with AC mains power outlet(s), see REAR PANEL FACILITIES for convenient connection of additional Hi-Fi component(s). Make all connections to the AC outlet(s) and the signal terminals first. Connect the plug to the wall socket last, make sure that the power switch is off.

## FOR USE IN THE UNITED KINGDOM

The wires in this mains lead are coloured in accordance with the following code:

Blue: Neutral  
Brown: Live

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured marking identifying the terminals in your plug proceed as follows:

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.

The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

Equipment sold in the U.K. is not supplied with a power plug.

# SAFETY INSTRUCTIONS

**READ INSTRUCTIONS** — All the safety and operating instructions should be read before the appliance is operated.

**RETAIN INSTRUCTIONS** — The operating instructions should be retained for future reference.

**HEED WARNING** — All warnings on the appliance and in the operating instructions should be adhered to.

**FOLLOW INSTRUCTIONS** — All operating and use instructions should be followed.

**WATER AND MOISTURE** — The appliance should not be used near water — for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.

**LOCATION** — The appliance should be installed in a stable location.

**WALL OR CEILING MOUNTING** — The appliance should not be mounted to a wall or ceiling.

**VENTILATION** — The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.

**HEAT** — The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.

**POWER SOURCES** — The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.

**POWER-CORD PROTECTION** — Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

**POLARIZATION** — If your purchased product is provided with a polarized power plug, please read the following instructions. This product is equipped with a polarized alternating current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

**CLEANING** — The appliance should be cleaned only with a polishing cloth or a soft dry cloth. Never clean with furniture wax, benzene, insecticides or other volatile liquids since they may corrode the cabinet.

**POWER LINES** — An outdoor antenna should be located away from power lines.

**NONUSE PERIODS** — The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

**OBJECT AND LIQUID ENTRY** — Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

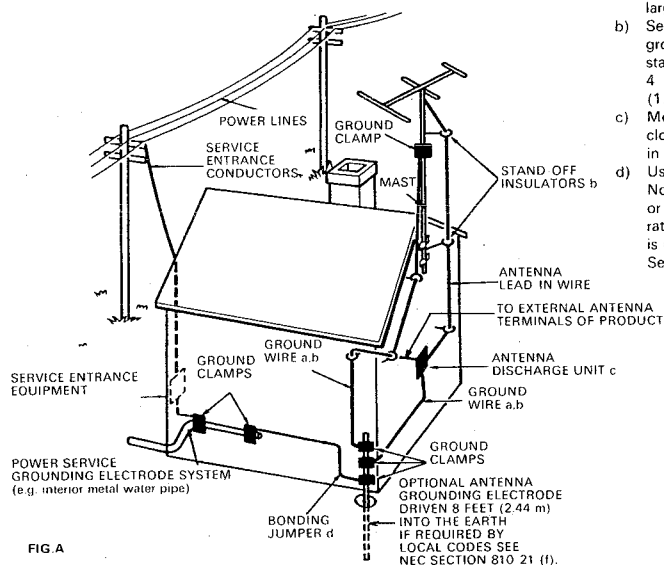
**DAMAGE REQUIRING SERVICE** — The appliance should be serviced by a Pioneer authorized service center or qualified service personnel when:

- The power-supply cord or the plug has been damaged; or
- Objects have fallen, or liquid has been spilled into the appliance; or
- The appliance has been exposed to rain; or
- The appliance does not appear to operate normally or exhibits a marked change in performance; or
- The appliance has been dropped; or the enclosure damaged.

**SERVICING** — The user should not attempt to service the appliance beyond that described in the operating instructions. For all other servicing, contact the nearest Pioneer authorized service center.

**OUTDOOR ANTENNA GROUNDING** — If an outside antenna is connected to the antenna terminal, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges.

In the U.S.A. section 810 of the National Electrical Code, ANSI/NFPA No. 70-1984, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Fig. A.



- Use No. 10 AWG (5.3 mm<sup>2</sup>) copper, No. 8 AWG (8.4 mm<sup>2</sup>) aluminum, No. 17 AWG (1.0 mm<sup>2</sup>) copperclad steel, bronze wire, or larger as ground wire.
- Secure antenna lead-in and ground wires to house with stand-off insulators spaced from 4 feet (1.22 meters) to 6 feet (1.83 meters) apart.
- Mount antenna discharge unit as closely as possible to where lead-in enters house.
- Use jumper wire not smaller than No.6 AWG (13.3 mm<sup>2</sup>) copper, or the equivalent, when a separate antenna-grounding electrode is used. See NEC Section 810-21 (j).

## CONTENTS

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### [FOR EUROPEAN AND U.K. MODELS]

#### CAUTION

This product contains a laser diode of higher class than 1. To ensure continued safety, do not remove any covers or attempt to gain access to the inside of the product.  
Refer all servicing to qualified personnel.

The following caution label appear on your player.

Location: rear of the player



### [FOR U.S. MODEL]

#### CAUTION

- Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
- The use of optical instruments with this product will increase eye hazard.

### INFORMATION TO USER [FOR U.S. MODEL]

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- reorient the receiving antenna
- relocate this equipment with respect to the receiver
- move this equipment away from the receiver
- plug this equipment into a different outlet so that equipment and receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful:

"How to Identify and Resolve Radio-TV Interference Problems".

This booklet is available from the US Government Printing Office, Washington, D.C., 20402, Stock No. 004-000-00345-4.

*The above instructions apply only to units which will be operated in the United States.*

## FEATURES

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**Magazine type multiple compact disc player, enables six-disc selection in succession.**

**A CD player with a digital filter and twin D/A converter system for quality sound and functionality.**

- Honeycomb chassis for high rigidity and suppression of resonance.
- High-performance, digital filter and independent left and right D/A converters.

**Other convenient tape editing functions all equipped.**

- 32 step programming enables selection of any track of 6 discs to be played in desired order.
- Features direct programming to add the track currently being played to the program by simply pressing PGM MEMORY key.
- Features PAUSE programming for temporary stop.

### **Random playing**

Tracks from set discs are played at random. If the repeat function is also used, it will be most effective as background music.

**Multi-function fluorescent display indicates, disc mark, disc number, track number and elapsed time simultaneously.**

Total time, remaining time on the tracks and remaining time on the disc are also displayed by switching.

**High-performance pickup ensures highly accurate playback.**

### **Timer start**

If a disc is set on the disc tray beforehand, then, when power is turned ON or when activated by a TIMER, the player will automatically start playing from track 1.

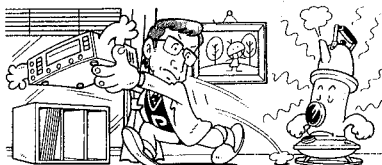
## CAUTIONS REGARDING HANDLING

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### **LOCATION**

**Install the player in a well ventilated location where it will not be exposed to high temperature or humidity.**

Do not install the player in a location which is exposed to direct rays of the sun, or near hot appliances or radiators. Excessive heat can adversely affect the cabinet and internal components. Installation of the player in a damp or dusty environment may result in malfunction or accident. (Also avoid installation near cookers etc., where the player may be exposed to smoke from oil, steam or heat.)

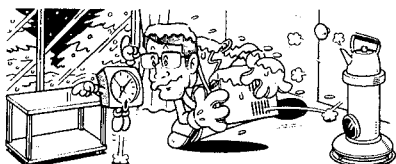


### **PRECAUTIONS REGARDING INSTALLATION**

- Placing and using the compact disc player for long periods on heat-generating sources such as amplifiers will affect performance. Avoid placing the player on heat-generating sources.
- Install this compact disc player as far as possible from tuners and TV sets. A compact disc player installed in close proximity to such equipment, may cause noise or degradation of the picture. Such noise may be particularly noticeable when an indoor antenna is used. In such a case, make use of an outdoor antenna, or turn off power to the compact disc player.

## CONDENSATION

- When player is brought into a warm room from previously cold conditions or when the room temperature rises sharply, condensation may form inside and player may not be able to attain its full performance. In cases like this, allow the unit to stand for about an hour or raise the room temperature gradually.

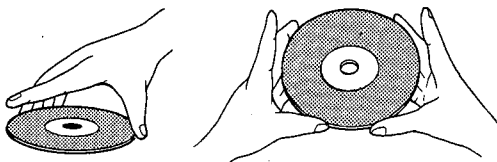


## CARE OF DISCS

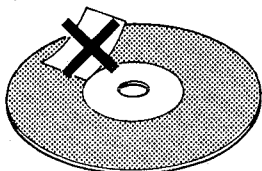
- With this player, use discs which display the mark shown below. (Optical audio digital discs.)



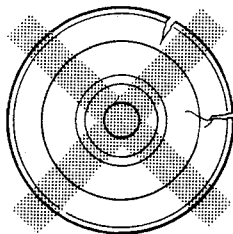
- When holding discs, do not touch their signal surfaces. Hold the edges, or one edge and the center hole.



- Do not affix labels or adhesive tape to the label surfaces. Also, do not scratch or damage the label.



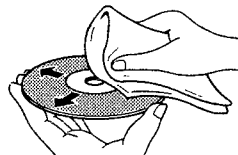
- Discs rotate at high speed inside the player. Do not use damaged (cracked or warped) discs.



## CLEANING DISCS

- The presence of fingerprints or smudges on the surface of the disc will not directly affect the recorded signals, but depending on the degree of contamination, the brightness of the light reflected from the signal surfaces may be reduced, causing degradation of sound quality.

Always keep your discs clean by wiping them gently with a soft cloth from the inner edge toward the outer perimeter.

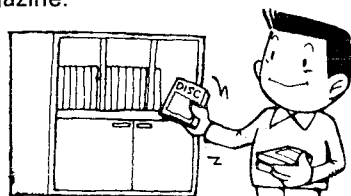


- If a disc becomes very dirty, wet a soft cloth in water, after wringing it out well, wipe the dirt away gently, and then remove any water drops with another soft, dry cloth.
- Do not use record cleaning sprays or anti-static agents on discs. Also, never clean discs with benzene, thinner, or other volatile solvents, which may cause damage to the disc surface.



## STORING DISCS (Storing without using the 6 disc magazine)

- Discs are made of the same kinds of plastics used for conventional analog audio records. Be careful not to allow discs to warp; always store discs in their cases vertically, avoiding locations with high heat or humidity, or extremely low temperatures. Avoid leaving discs in cars, and on the seats being exposed to direct sunlight can be harmful.
- Always read and abide by the precautionary notes listed on disc labels.
- Do not store discs by leaving them in the single disc magazine.



## CLEANING THE PLAYER

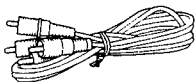
To clean the front panel and unit housing, wipe with a soft, dry cloth. For stubborn dirt, wet a soft cloth with a mild detergent solution, wring well, then wipe off the dirt. Also use a dry cloth to wipe the surface dry. Do not use volatile liquids such as benzene and thinner which are harmful to the unit.

# BEFORE OPERATING PLAYER

## CONFIRM SUPPLIED ACCESSORIES

SIX-COMPACT-DISC MAGAZINE x 1  
(Called 6-disc magazine in the explanatory text.)

Output cable x 1

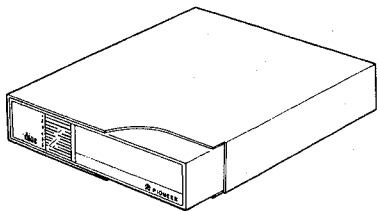


Control cord



### NOTE:

- The supplied six-compact-disc magazine is for 12-cm discs only.

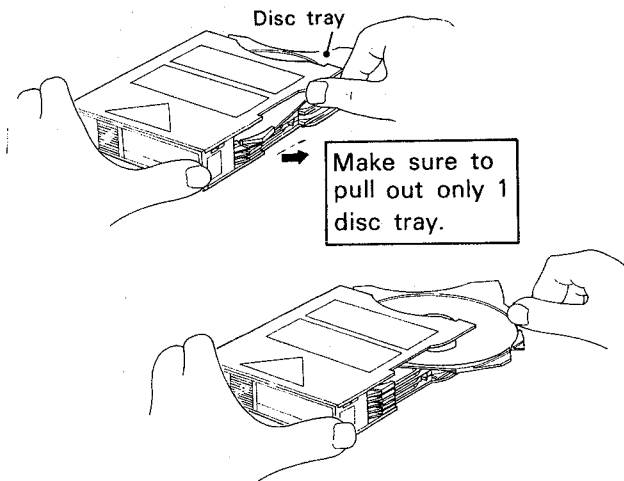


## INSERT DISCS INTO THE 6-DISC MAGAZINE

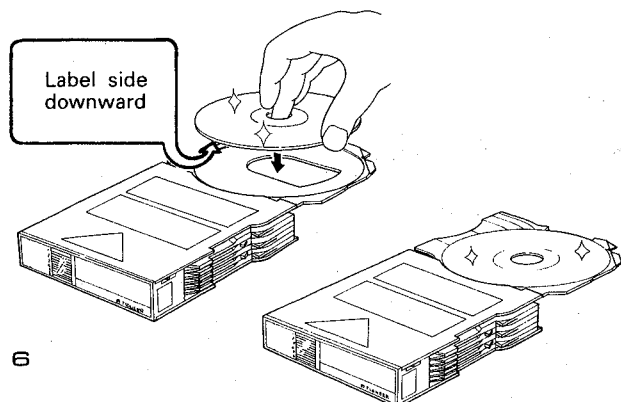
Insert any discs which you may have into the supplied magazine. Up to 6 discs may be inserted. The numbering of the discs begins with 1 at the topmost tray, and then increases in order from 2 to 6 for the lower trays.

The magazine has a window through which the pulled-out disc tray can be checked. Even during playback, the number of the disc being played back can be checked through this window.

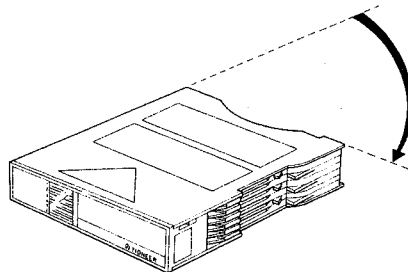
### 1. Pull out only one disc tray.



### 2. Position discs with the label side downward.



### 3. Put the disc tray back as it was originally.



### 4. Insert other discs by repeating steps (1) to (3).

### NOTE:

- Please make sure to only pull out one disc tray at a time. (When a disc tray has been pulled out, do not pull out other disc trays.)
- If discs are inserted label side upward, it will not be possible for them to be played. Please make sure to insert them with the label side downward.
- Objects other than discs (song cards, explanations of disc contents, etc.), must never be inserted into the disc trays.
- Do not touch the playing surface of discs (the iridescent side) with hands or fingers.

Additional magazines identical to the one supplied are available as options \*(JD-M100, JD-M108). Please use them to make your own disc library, with separate magazines for each artist or genre.

## For U.S. customers only

You may purchase additional \*JD-M100 or JD-M108 six-compact-disc magazines from your dealer. If, however, they are not available at your dealer in the United States, you may order from:

Pioneer Electronics Service, Inc.  
2265 East 220th Street  
P.O. Box 1760  
Long Beach, CA. 90801-1760, U.S.A.  
Phone #(800) 421-1404

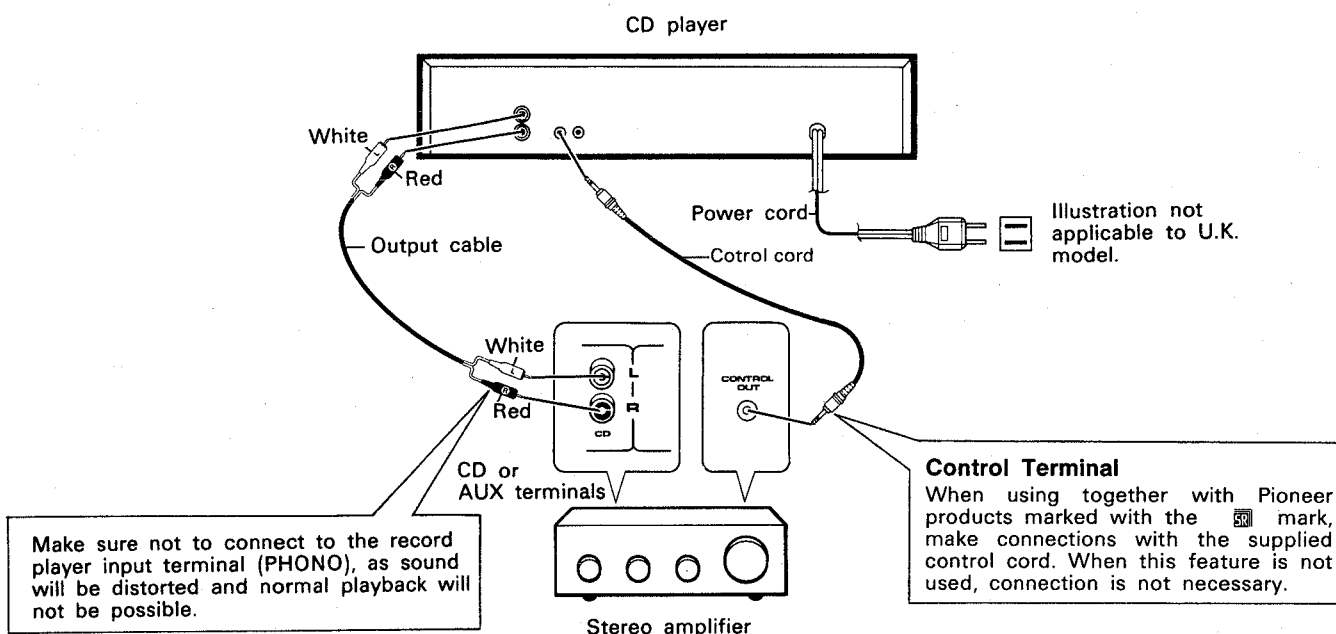
\*JD-M100: Magazine for six 12-cm discs.

JD-M108: Magazine for six 8-cm discs.

### NOTE:

Both 12-cm discs and 8-cm discs cannot be installed together in a magazine.

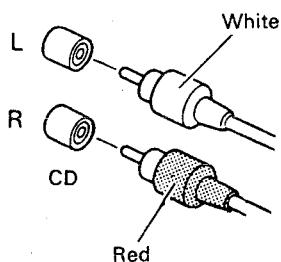
# CONNECTIONS



## Connecting the output cable

Connect the plugs of the cable to the input terminals of the amplifier (terminals marked CD or AUX), and to the output terminals of the compact disc player.

- Connect the white plugs to the left (L) terminals and the red plugs to the right (R) terminals.
- Make sure plugs are pushed fully into the terminals.



## CONNECT THE POWER CORD

Insert the power cord plug into the auxiliary AC outlet of your amplifier unit, or into a household wall outlet.

## OPERATION BY REMOTE CONTROL

When use is made of a stereo amplifier with the Pioneer mark, connect the control terminal on the rear panel of the player to the corresponding terminal on the amplifier. This will enable the player to be controlled from a distance, with the remote control unit supplied with the amplifier.

- The remote control unit can be used for PLAY, STOP, PAUSE, TRACK SEARCH and DISC change operations.
- The control cord is supplied with the player.
- For instructions regarding connection and operation, please refer to the operating instruction manual for your stereo amplifier.

# NAMES AND USE OF PARTS

## FRONT PANEL

### MANUAL SEARCH keys

When the player is in playback or pause modes, these keys are pressed to perform fast forward or reverse operations, to allow manual searching. These operations are done only during the time either key is pressed.

[▶▶]: For fast forward operation. If the end of the disc is reached during fast forward operation, "End" will be displayed and the player will enter the pause mode. [During programmed playback, the player will enter the pause mode right before it reaches the next track (program step).]

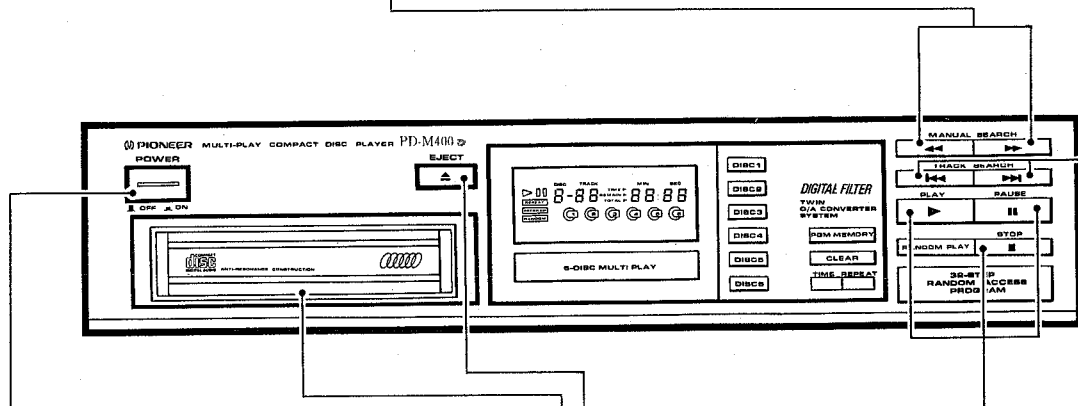
[◀◀]: For fast reverse operation. If the beginning of the disc is reached during reverse operation, the player will enter the playback mode. [During programmed playback, the player will enter the playback mode right before it reaches the previous track (program step).]

### TRACK SEARCH keys

When the player is in the normal playback, programmed playback or pause modes, these keys are pressed to search for a desired track. Pressing either key causes the player to advance to the next track, or return to the previous track.

[▶|]: When pressed once, play restarts at the beginning of the next track on the disc; when pressed continuously, the disc playback shifts to the beginning of succeeding tracks on the disc. (During programmed playback, it moves to the beginning of the next programmed track.)

[|◀]: When pressed once, the disc playback returns to the beginning of the currently playing track; when pressed continuously, the disc playback shifts to the beginning of previous tracks on the disc. (During programmed playback it returns to the beginning of the previously programmed track.)



### POWER switch

Press to turn power to the unit ON and OFF.

### Magazine insertion slot

### EJECT key

Press to eject a magazine or the disc tray. When pressed, any magazine (in case of single disc magazine, the disc tray) inside is expelled forward.

### PLAY key

Press to begin playback, and to cancel the player from the pause mode.

### PAUSE key

Press to temporarily interrupt playback. When pressed again, the pause mode is cancelled and playback resumes.

### STOP key

Press to stop playback. When pressed, the player goes into stop mode and all operations stop. When pressed during stop mode, the program stored in memory is cleared.



## Indicators

- PLAY (▶)** : Lights during playback.
- PAUSE (■)** : Lights during pause mode, when playback is temporarily interrupted.
- REPEAT** : Lights during repeat playback.
- PROGRAM** : Lights after programming (after program has been memorized).
- RANDOM** : Lights during random playback.
- DISC** : Indicates disc number (1 - 6) during playback or search.
- TRACK** : Indicates track number (01 - 99) during playback or search.
- TIME/REMAIN/TOTAL** : Changes each time the TIME key is pressed.
- **TIME** : Displays the track number of the track being played and the playback time (minutes and seconds).
  - **REMAIN** : Displays the remaining time on the track being played. When the TIME key is pressed again, the remaining time on the disc will be displayed.

- **TOTAL** : Displays the total number of tracks on one disc (TRACK) and the overall playback time (MIN, SEC).

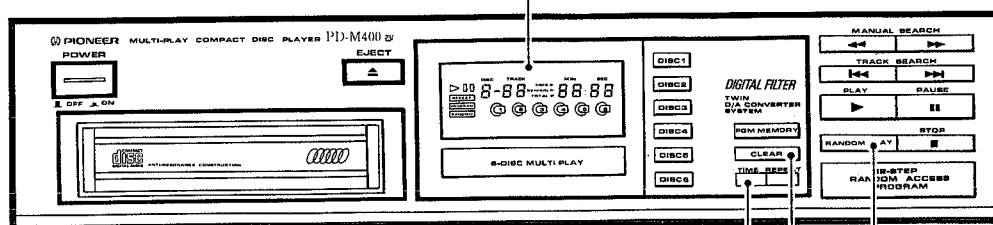
During programmed playback operation, displays the playing time, the remaining time of the track being played and the total program steps (TOTAL).

- MIN** : Playing or remaining time for the track indicated by the minute.

- SEC** : Playing or remaining time for the track indicated by the second.

**DISC Symbol (Ⓒ)**

- : If a nonexistent disc is searched for, the corresponding disc symbol will go off.



## TIME key

- Use to select the method for displaying the playing time on the indicator panel. Each time the key is pressed, the indication changes from TIME, REMAIN (track remain) and REMAIN (disc remain: This will not be displayed during programmed playback.) to TOTAL in that order. (For details concerning the display contents, refer to the explanation about the indicators.)

## CLEAR key

Press to clear program.

## RANDOM PLAY key

Press to begin random playback.

## NAMES AND USE OF PARTS

### PGM MEMORY key (PROGRAM MEMORY)

Use to program a sequence of tracks.

- Press this key after selecting a desired disc and track with Disc no. and TRACK SEARCH keys. Tunes will be added to the program in the order in which they are specified.
- If only a Disc no. key is pressed, all tracks on the specified disc will be added to the program. The letters "AL" will appear on the indicator.

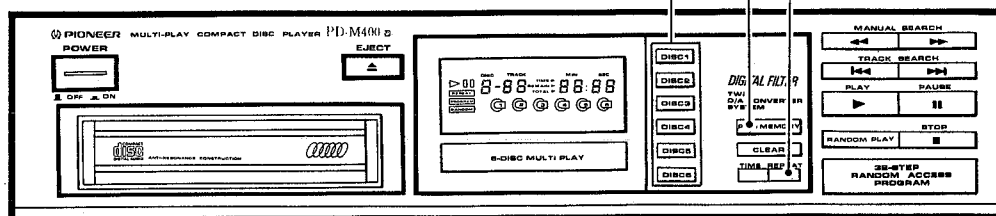
### Disc no. keys (Disc number 1- 6)

Use to select disc numbers for playback or programming.

### REPEAT key

Press to perform repeat playback.

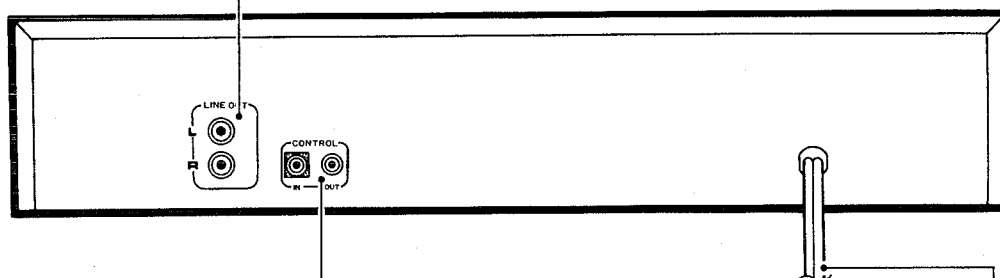
- If pressed during normal playback mode, all tracks on all the discs in the magazine will be played back repeatedly.
- If pressed during programmed playback, the programmed tracks will be repeatedly played back in the programmed order.
- In the case of random playback mode, after all the tracks have been played, random playback will start again.



## REAR PANEL

### LINE OUT terminals

Illustration not applicable to U.K. model.



### Control input terminal

This terminal is for inputting the remote control signals relayed from an amplifier or other component with a sensor for receiving control signals from a remote control unit and carrying the Pioneer **SR** mark. Please connect to the control output terminal of the other component.

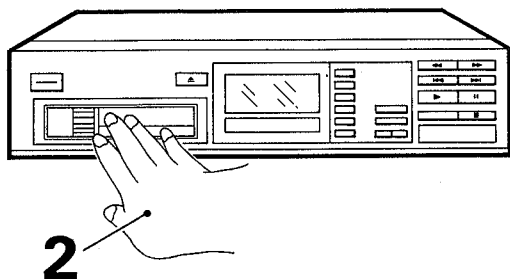
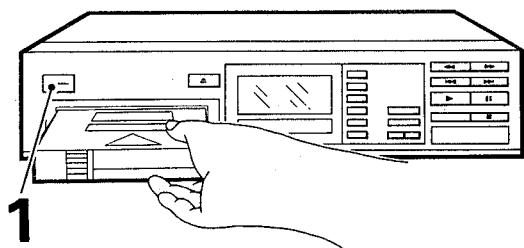
### Control output terminal

This terminal is for further relaying remote control signals to other components carrying the Pioneer **SR** mark. Please connect to the control input terminal of the other component.

## OPERATION (Inserting discs and a magazine.)

### OPERATION PROCEDURES BEFORE PLAYBACK (Insertion of magazine or discs)

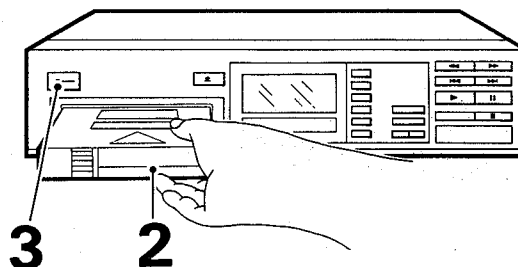
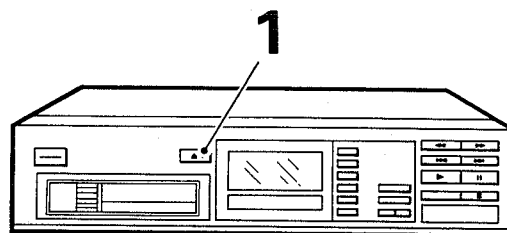
#### Case of 6-disc magazine



- 1 Push in the POWER switch and switch ON power.
- 2 Insert a magazine, pushing it in until a click sound is heard.  
Please insert the discs you want to play into the magazine beforehand. (Refer to 'BEFORE OPERATING PLAYER'.)
- 3 Set your stereo amplifier controls for compact disc playback.  
(For details refer to the operating instructions of your stereo amplifier.)

### PROCEDURES AFTER PLAYING (Removal of magazine or discs)

#### Case of 6-disc magazine



- 1 Press the EJECT key and eject the magazine.
- 2 Pull the magazine forward and remove it.
- 3 Push in the POWER switch to turn OFF power.

## OPERATION (NORMAL PLAYBACK, DIRECT DISC AND TRACK SEARCH)

- Explanations are given for operations when using the 6 disc magazine, but operations are the same when using the single disc magazine. The only difference is that in the latter case the Disc no. keys are not used.

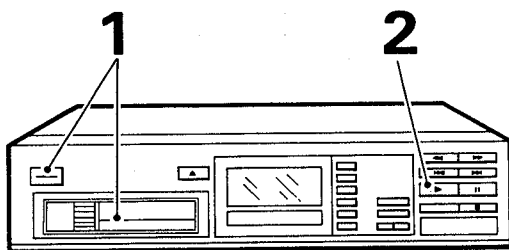
### OPERATIONS FOR NORMAL PLAYBACK

Playback of all tracks, from the first track on the first disc, to the last track on the sixth disc.

#### Operation example

- Start playback

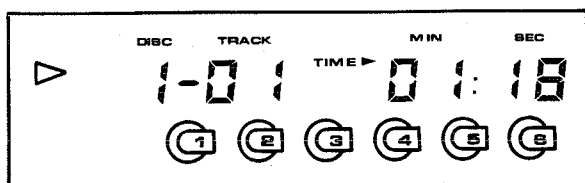
**POWER** → Insert magazine (disc) → **PLAY**



- 1 Carry out "OPERATION PROCEDURES BEFORE PLAYBACK", and insert the magazine.
- 2 Press the **PLAY** key.  
The **PLAY** (▷) indicator will light, and playback will begin.

The indicators will display the disc number and track number currently being played and the elapsed playback time.

This example shows the display when the first track of first disc is played.



- 3 Adjust volume and tone with stereo amplifier controls.

When the last track on the sixth disc finishes playing, the player enters stop mode. All operations stop and the player stops with the number of the first track on the first disc '01', showing on the indicator.

### TO START PLAYING BACK FROM A DESIRED TRACK (Direct Disc and Track Search Operation)

During playback or stop mode, playback will begin from the track selected by specifying the disc number and track number, and will continue to the last track on the sixth disc.

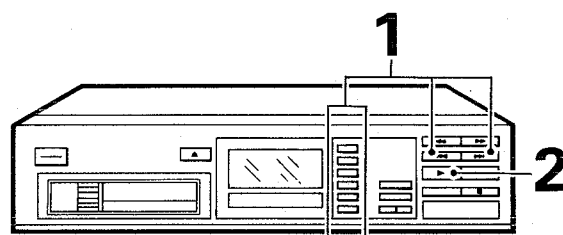
#### Operation example

- During stop mode, to play back the third track on the fifth disc:

Key operations	Indicator display
Disc no. <b>DISC 5</b>	<div> DISC TRACK TIME MIN SEC  5- : : : :  (1) (2) (3) (4) (5) (6) </div>
Press <b>▶▶</b> 3 times	<div> DISC TRACK TIME MIN SEC  5-03 : : : :  (1) (2) (3) (4) (5) (6) </div>
<b>PLAY</b>	<div> DISC TRACK TIME MIN SEC  ▷ 5-03 00:01  (1) (2) (3) (4) (5) (6) </div>

- To play back the 12th track on the first disc:

Key operations	Indicator display
Disc no. <b>DISC 1</b>	<div> DISC TRACK TIME MIN SEC  1- : : : :  (1) (2) (3) (4) (5) (6) </div>
Press <b>▶▶</b> 12 times	<div> DISC TRACK TIME MIN SEC  1-12 : : : :  (1) (2) (3) (4) (5) (6) </div>
<b>PLAY</b>	<div> DISC TRACK TIME MIN SEC  ▷ 1-12 00:01  (1) (2) (3) (4) (5) (6) </div>



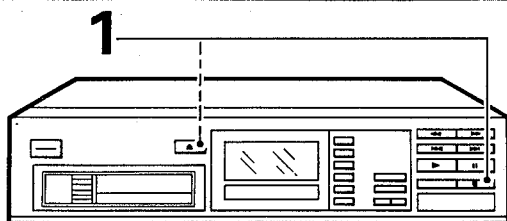
- 1 During playback or stop mode, select a disc number with a Disc no. key and a track number with **TRACK SEARCH** keys.
  - If only a disc number is selected, playback will begin from the first track on the specified disc.
  - If only a track number is selected, playback will begin from the specified track on the disc for which the player is in playback or pause mode.
- 2 Press the **PLAY** key to begin playback.

**NOTE:**

- When a track number of a track not on the disc is selected, playback starts from the first track.
- Track selection cannot begin from the disc number of a magazine tray which does not contain a disc.
- Performing these operations during programmed playback causes the program to be cleared.
- Performing these operations during random playback causes random playback to be cancelled.
- Playback from a direct disc or track search is not possible when a program is being input in stop mode.
- When there is no magazine inserted and the PLAY or RANDOM PLAY key is pressed, "disc" will appear in the indicator for 2.5 seconds.

**TO STOP PLAYBACK**

STOP or EJECT



**1 Press the STOP key or the EJECT key.**

- When the STOP key is pressed, the player enters the stop mode. All operations stop, and the disc returns to the magazine.
- When the EJECT key is pressed, the magazine ejects.

**PAUSE OPERATION**

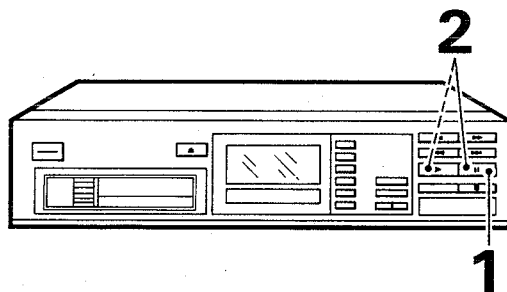
**Operation example**

- To temporarily stop playback

PAUSE

- To resume playback

PAUSE or PLAY



**1. With the player in the playback mode, press the PAUSE key**

The PAUSE indicator will light, and the player will pause immediately.

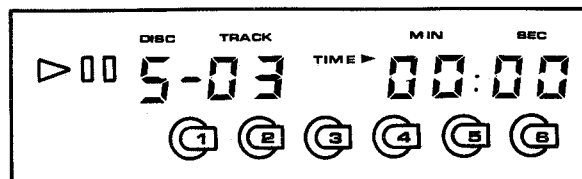
**2. To resume playback, press the PAUSE key again, or the PLAY key.**

**TO PAUSE AT THE BEGINNING OF A TRACK**

**Operation example**

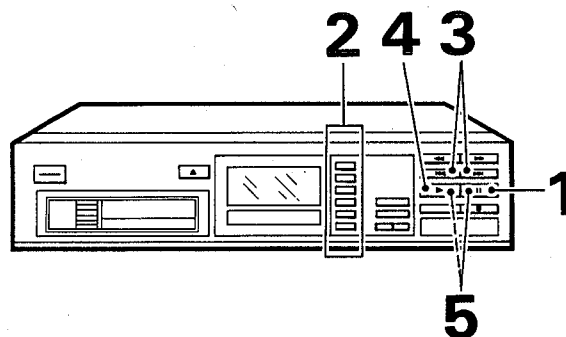
To switch from stop mode to pause at the beginning of the third track on the fifth disc:

PAUSE → Disc no. key DISC 5 → Press ►► 3 times → PLAY



- To start playback:

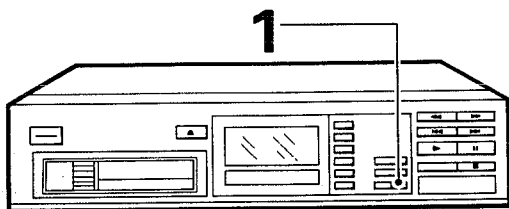
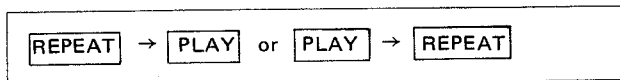
PAUSE or PLAY



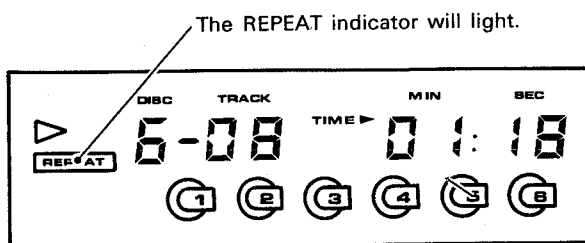
- 1 Press the PAUSE key.
- 2 Select the disc number with a Disc no. key.
- 3 Select the track number with TRACK SEARCH keys.
- 4 Press the PLAY key.
- 5 To start playback, press the PAUSE key or the PLAY key.

## OPERATION (REPEAT PLAYBACK, TRACK SEARCH)

### OPERATIONS FOR REPEAT PLAYBACK



- 1 With the player in the playback or stop mode, press the REPEAT key.

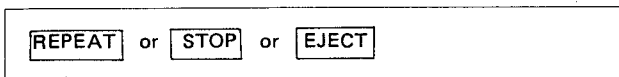


- 2 When the last track has been played back, playback will begin again from the first track.

Playback will be repeated until repeat playback is cancelled.

- During normal playback, all tracks on all discs in the magazine will be played back repeatedly. (All discs repeat)
- During programmed playback, the tracks programmed will be played back again in the order programmed. (Programmed repeat)
- Programming of only one disc — one-disc repeat
- Programming of only one track — one-track repeat
- When the RANDOM PLAY key is ON during normal playback, after all the tracks on the discs are played at random, the same tracks will be played again at random. (Random repeat)

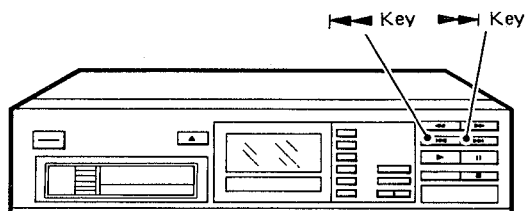
### TO CANCEL THE REPEAT MODE



- Press the REPEAT key once again. The REPEAT indicator will go out, and the player will revert to the normal (or programmed) playback mode.
- Press the STOP or EJECT key. Playback will stop and the repeat mode will be cancelled simultaneously.

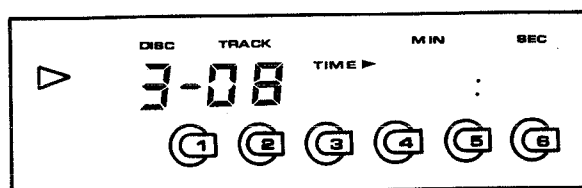
### TO LOOK FOR A DESIRED TRACK (TRACK SEARCH OPERATIONS)

During normal or programmed playback, or during the pause mode, these functions allow you to quickly find the beginning of a desired track. Also, any number of tracks can be skipped during the search process when so desired.



- When the [▶▶] key is pressed once, playback advances to the beginning of the next track. When pressed continuously, playback advances to the beginning of succeeding tracks. (During programmed play, playback advances to the beginning of the next programmed step.)
- When the [◀◀] key is pressed once, playback returns to the beginning of the currently playing track; when pressed continuously, playback shifts to previous tracks on the disc. (During programmed playback, playback returns to the previous programmed step.)

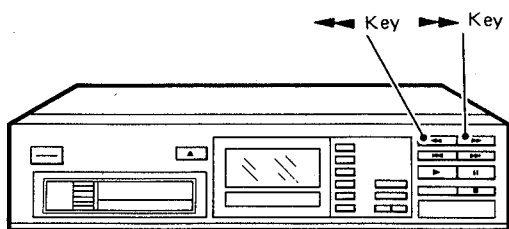
The disc number and track number of the track currently being searched for will be displayed on the indicator; watch this indicator while searching for the desired track.



## FAST FORWARD AND REVERSE (MANUAL SEARCH OPERATIONS)

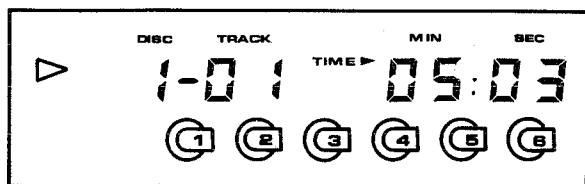
During playback or pause modes, this function allows you to quickly advance or reverse through the disc to find the desired part. Listen to the sound from your speakers or headphones while performing the search. (During playback mode only.) When the key is released the player returns to its original mode (playback or pause).

During pause, high-speed search is possible. However, no sound will be output.



- When the [▶▶] key is pressed, the player will advance quickly through the disc. If the end of the disc is reached, the player will enter the pause mode. (The word 'End' will be displayed by the indicator.) The pause mode can be cancelled by pressing the [◀◀] key.
- When the [◀◀] key is pressed, the player will reverse quickly through the disc. If the beginning of the disc is reached, the player will enter the playback mode.

During the search operation, the elapsed time will be displayed on the indicator; watch the indicator while searching for the desired part.



### NOTE:

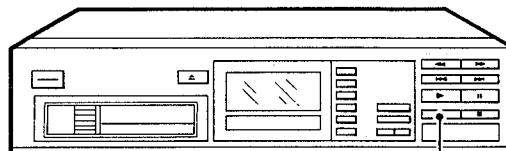
During programmed playback, fast forward and reverse operations will be effective only for the currently-playing track.

Also, when using the [▶▶] key, the player will enter the pause mode right before it goes to the next program step. When using the [◀◀] key, the player will enter the playback mode right before it goes to the previous program step.

## RANDOM PLAYBACK

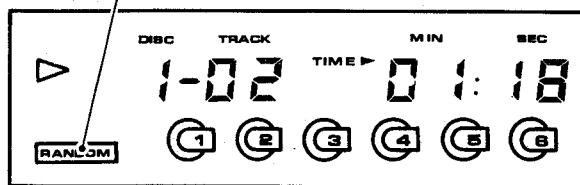
- Each track of all the discs set in the magazine will be played at random. After all the tracks have been played, the player will go in stop mode.

RANDOM PLAY



1, 2

- 1 Press the RANDOM PLAY key. Random playback will begin. (The RANDOM indicator will light.)



- 2 Pressing the RANDOM PLAY key once more will have the player select a track at random for playback.

When REPEAT mode is ON:

Random playback will be repeated.

To cancel random playback operation

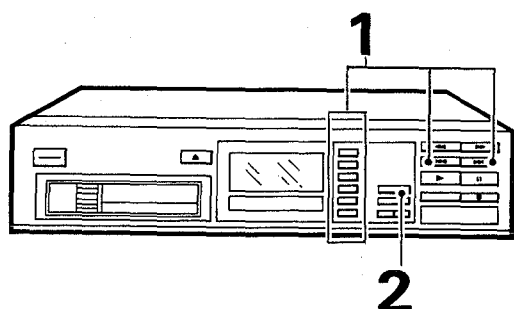
STOP or EJECT

- Press the STOP key or the EJECT key. Playback will stop and random playback operation will be cancelled simultaneously.
- Performing operations for playback from a direct disc search will also cancel random playback.

# **TO PLAYBACK TRACKS IN A DESIRED ORDER (PROGRAMMED PLAYBACK)**

- With this function, you can play back the tracks on the discs in the magazine in any order desired.
- By specifying disc numbers from 1 to 6, and track numbers from 1 to 99, you can select up to 32 steps for playback in any order you like.

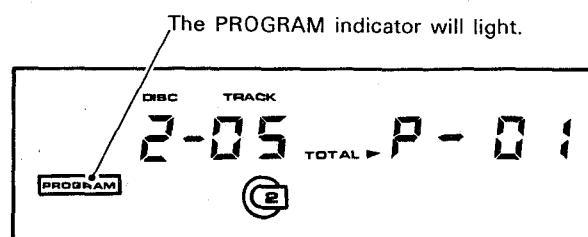
## **Memorizing a program**



- 1 During stop mode, specify a disc with a DISC NO. key and track with TRACK SEARCH keys.**
- 2 Press the PGM MEMORY key.**  
If the PGM MEMORY key is pressed after a disc number only has been specified, all tracks on the disc will be added to the program.
- 3 Repeat operations 1 and 2.**  
Repeat operations 1 and 2 for each track you want to be memorized, in the order in which you want the tracks to be played. The player can memorize up to 32 steps.

Each time you program a step, the indicator will display the program step and the programmed disc number and track number.

The figure below shows the display when track 5 on disc 2 is programmed as step 1.



## **Playback Start**

- 1. Press PLAY key to start playing in programmed order.**
- 2. Play ends.**

When the last programmed track ends, the player goes to stop mode at the first programmed track position.

The disc returns to the magazine.

- **When REPEAT mode is ON:**

When the last programmed track ends, the player returns to the first programmed track to repeat the program.

Programmed playback will repeat until the REPEAT key is pressed again or until the STOP key is pressed.

## **Cancellation of programmed playback and clearing a program:**

- Pressing the STOP key will cause playback to stop. In this case the program stored in memory will not be cleared. To clear the program, press the STOP key once more.
- Press the EJECT key. When pressed during playback, the magazine will eject, and the program will be cleared.
- Carrying out operations for playback from a direct disc search will cause the program to be cleared.
- During programmed playback, if the CLEAR key is pressed, the program will be cancelled and playback will continue in normal mode.



### Operation examples

To playback track 5 on disc 2, track 3 on disc 5, and all of disc 3 in that order:

● Memorize the program:

Step	Key operations	Indicator display
01	Disc no. <b>DISC 2</b>  Press <b>▶▶</b> 5 times  <b>PGM MEMORY</b>	
02	Disc no. <b>DISC 5</b>  Press <b>▶▶</b> 3 times  <b>PGM MEMORY</b>	
03	Disc no. <b>DISC 3</b>  <b>PGM MEMORY</b>	

● To start play:

**PLAY** — ordinary program

● To stop playback

**STOP** — Playback stop  
(Program left intact.)

● To cancel playback and clear the program:

**STOP** - **STOP**  
— Stops playback and clears the program.

**EJECT** — Stops playback, clears the program, and ejects the magazine.

**CLEAR** — Clears the program.

## TO PROGRAM A PAUSE OPERATION (OPERATIONS FOR PAUSE PROGRAM)

During programmed playback, these operations cause the player to pause at the beginning of tracks for which a pause has been specified.

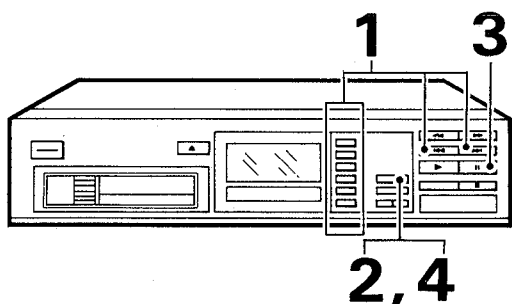
Application Example 1:

When recording on both sides of a cassette tape, programming for a pause to occur after the completion of the last track, before the first side of the tape runs out, will enable recording of the next track to begin, after the tape has been turned over.

Application Example 2:

When recording on tape, programming for pauses to occur between tracks will allow blank intervals or narration to be recorded on the tape, after which recording can be resumed.

### Memorizing a pause program



- 1 In stop mode, select disc and track numbers.
- 2 Press the **PGM MEMORY** key.  
See "Memorizing a Program"
- 3 Press the **PAUSE** key.  
Perform procedures 3 and 4 to insert a pause at the beginning of the track selected after procedure 4. A pause is counted as a program step.
- 4 Press the **PGM MEMORY** key.  
To enter another track into the program, repeat procedures 1 and 2 above. During playback, there will be a pause at the beginning of this track.
- 5 Repeat operations 1 to 4  
Up to 32 steps can be programmed.

### Method of playback

- 1 Press the **PLAY** key to begin playback.  
The player will pause beginning of the track for which a pause has been specified.
- 2 To resume playback, press the **PLAY** key or **PAUSE** key.

### Operation example

To program the player to playback track 5 on disc 2, track 3 on disc 5, and track 8 on disc 3, with a pause before the last selection.

● Memorize the program:

Step	Key operations	Indicator display
01	Disc no. <b>DISC 2</b>  Press <b>▶▶</b> 5 times  <b>PGM MEMORY</b>	
02	Disc no. <b>DISC 5</b>  Press <b>▶▶</b> 3 times  <b>PGM MEMORY</b>	
03	<b>PAUSE</b>  <b>PGM MEMORY</b>	<p>The PAUSE indicator lights.</p>
04	Disc no. <b>DISC 3</b>  Press <b>▶▶</b> 8 times  <b>PGM MEMORY</b>	

● To start and resume playback:

- PLAY** ..... Player pauses after playing track 3 on disc 5.
- PLAY** or **PAUSE** ..... Player resumes programmed playback.

### **PROGRAMMING DURING PLAYBACK (Direct program)**

- When the PGM MEMORY key is pressed during playback, the currently playing track will be programmed (Direct program).
- During playback, select the track number by the TRACK SEARCH keys. Then press the PGM MEMORY key. The specified track on the disc being played will be added to the program.

The indicator will then display (for 5 seconds) the total number of steps programmed. To program a track of another disc, press the disc number key for the disc to be played.

#### **NOTE:**

- *Direct programming not available during programmed playback play or random playback.*
- 

### **About Timer Play Start**

When a magazine is properly loaded with discs and inserted into the player, playback will begin automatically when the power is turned on.

If use is made of an audio timer, the player can be made to start playing from a specified time.

- When using a six-disc magazine:  
Playback will start from disc 1, track 1.

#### **NOTE:**

- *When using an audio timer, leave the POWER switch of the player turned ON.*
- *The timer is activated approximately 5 seconds after the power is turned on.*
- *If you operate the player by pressing any of the function keys before timer start, timer start will not occur.*

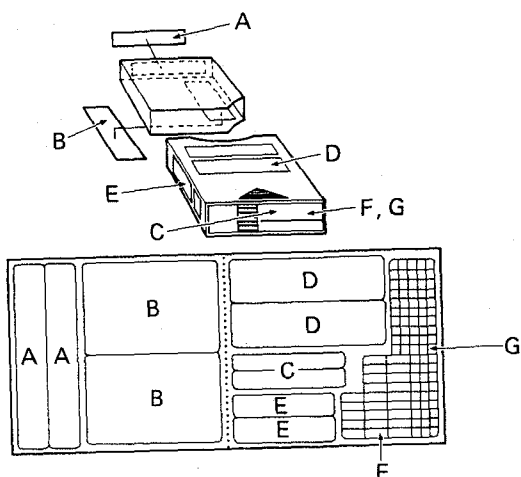
# MAGAZINE

## CAUTIONS REGARDING HANDLING OF MAGAZINES

- When inserting a magazine into the player, make sure that the direction of insertion is correct.
- After use, store in the case provided. Do not place in locations subjected to high temperatures or exposed to direct sunlight.
- Do not take magazines apart.
- Be careful not to drop, or hit magazines against things. Also, do not apply strong force to trays which have been withdrawn.
- Application of benzene, thinner, insecticide or other volatile liquids to a magazine may damage the surface, so keep magazines away from such substances.

## AFFIXING LABELS TO 6-DISC MAGAZINE

- When affixing the supplied labels, make sure to affix them to the specified positions. If labels or tape are affixed to other than the specified positions, the magazine and player may not operate correctly.



- Each label can be conveniently used as follows:
  - A: Titles
  - B: Names of stored discs and tracks
  - C: Titles
  - D: Names of stored discs
  - E, G, F: Classification
- Do not affix one label on top of another. (However, F and G may be affixed on top of label C.)

## NOTE:

- In order to play an 8-cm CD Single you will need a special Multi-Play Magazine (JD-M108) which is sold separately. Be sure to thoroughly read the Operating Instructions before using it.
- 8-cm CD Single Adaptors  
It is possible that even an adaptor which meets recommended standard CD specifications will not be usable with the CD player. It is recommended that the special Multi-Play Magazine (JD-M108) be used.
- Never load an 8-cm CD Single or its adaptor into a standard 12-cm magazine. This may seriously damage the CD player.

## About the CD magazines

JD-M100: Magazine for six 12-cm discs.

JD-M108: Magazine for six 8-cm discs.

- Both 12-cm discs and 8-cm discs cannot be installed together in a magazine.

# MAINTENANCE

Use soft dry cloth to clean panels and cover.

In the case of heavy dirt, use soft damp cloth soaked in a neutral detergent solution and wipe with dry cloth.


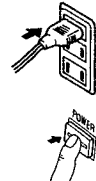


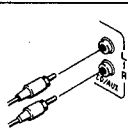
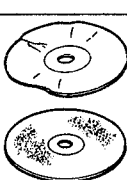

Do not use volatile chemicals such as benzene, thinner or insecticide.



# TROUBLESHOOTING

Incorrect operations are often mistaken for trouble and malfunctions. If you think that there is something wrong with this component, check the points below. Sometimes the trouble may lie in another component. Investigate the other components and electrical appliances being used.

If the trouble cannot be rectified even after executing the checks listed below, ask your nearest PIONEER authorized service center or your dealer to carry out repair work.

Symptom	Probable cause	Remedy
Magazine is not expelled when EJECT key is pressed.	<ul style="list-style-type: none"> <li>● Power plug is disconnected from outlet</li> <li>● POWER switch is OFF.</li> </ul> 	<ul style="list-style-type: none"> <li>● Connect plug to amplifier or wall outlet.</li> <li>● Press POWER switch ON.</li> </ul> 
When playback is started, it stops immediately. Pauses or stops during playback.	<ul style="list-style-type: none"> <li>● Disc is loaded upside down.</li> <li>● Smudges on the disc, etc.</li> </ul>	<ul style="list-style-type: none"> <li>● Load the disc correctly with the label side DOWN.</li> <li>● Press the PLAY or PAUSE key.</li> <li>● Clean the fog from the disc and then play it again.</li> </ul> 
No sound	<ul style="list-style-type: none"> <li>● Output cords are connected incorrectly or loosely.</li> <li>● Incorrect operation of stereo amplifier.</li> <li>● Pin plugs and/or amplifier terminals are dirty.</li> <li>● Player is in pause mode.</li> </ul>	<ul style="list-style-type: none"> <li>● Connect properly.</li> <li>● Check the settings of amplifier switches and sound volume controls.</li> <li>● Clean away dirt.</li> <li>● Press the PLAY key.</li> </ul> 
Sound is distorted, noise is output.	<ul style="list-style-type: none"> <li>● Incorrect connections.</li> <li>● Pin plugs and/or amplifier terminals are dirty.</li> <li>● Interference is being picked up from a TV set.</li> </ul>	<ul style="list-style-type: none"> <li>● Connect to amplifier AUX or CD terminals. Do not connect to PHONO terminals.</li> <li>● Clean away dirt.</li> <li>● Switch OFF TV set, or move player away from TV set.</li> </ul> 
With certain discs, loud noise is produced, or play stops.	<ul style="list-style-type: none"> <li>● Disc has a bad scratch or warp.</li> <li>● Disc is extremely dirty.</li> </ul> 	<ul style="list-style-type: none"> <li>● Replace the disc.</li> <li>● Clean disc.</li> </ul> 

# SPECIFICATIONS

## 1. General

Type.....Compact disc digital audio system  
Usable discs.....Compact Disc  
Signal format.....Sampling frequency: 44.1 kHz  
Sampling bit number: 16 bit linear  
Power requirements  
European models.....AC 220 V, 50/60 Hz  
U.K., Australian models.....AC 240 V, 50/60 Hz  
U.S., Canadian models.....AC 120 V, 60 Hz  
Other models.....AC 110/120 - 127/220/240 V  
(switchable) 50/60 Hz  
Power consumption.....11 W  
Operating temperature.....+5°C - +35°C  
Weight.....4.7 kg (10 lb 6 oz)  
External dimensions.....420(W) x 315(D) x 90(H) mm  
16-9/16(W) x 12-13/32(D) x 3-17/32(H) in

## 2. Audio section

Frequency response.....4 Hz - 20 kHz ( $+0.5$   
 $-1.0$  dB) (EIAJ)  
S/N ratio.....more than 102 dB (EIAJ)  
Dynamic range.....more than 92 dB (EIAJ)  
Channel separation.....more than 95 dB (EIAJ)  
Output voltage.....1.8 V  $\pm$ 0.3 V (EIAJ)  
Wow and flutter.....less than ( $\pm$ 0.001% W. PEAK)  
(below measurable level) (EIAJ)  
Channels.....2-channel (stereo)

## 3. Output Terminal

Audio line output

## 4. Functions

Number of discs to be stored — maximum 6.

Basic operation keys

- PLAY, PAUSE, STOP

Search function

- Disc selection (6 keys)
- Manual search
- Track search

Programming

- Maximum 32 steps
- Pause
- Direct programming
- Program clear

Timer start

Repeat functions

- All discs repeat
- Program repeat
- 1 disc repeat (with program)
- Track repeat (with program)
- Random play repeat

Random Play

- Random play

Switching display

- Time consumed, remaining time, and total time

## 5. Display

FL tube display


- Passing time display (min, sec)
- Remaining time display
- Total time display
- Disc number, track number
- Program step number
- Program indicator
- Repeat indicator
- Random play indicator
- Play indicator
- Pause indicator
- Disc mark

## 6. Accessories

- Six-compact-disc magazine.....1
- Control cord.....1
- Output cable.....1
- Operating instructions.....1

### NOTE:

*Specifications and design subject to possible modification without notice, due to improvements.*

The Magazine Type Multi-Play CD Players with  mark and the Magazines with the same mark are compatible for 5-inch (12cm) discs.